

# HDV Format (ver. 1.0) Main Specifications (Revised)

Name of Specifications	HDV 720p Specification	HDV 1080i Specification
Media	Same as DV format (DV and/or Mini DV cassette tape)	
<b>Video</b>		
Video Signal	720/60p, 720/30p, 720/50p, 720/25p	1080/60i, 1080/50i
Optional	720/24p	1080/30p, 1080/25p, 1080/24p
Number of Pixels (Horizontal X Vertical)	1280 X 720	1440 X 1080
Aspect Ratio	16:9	
Compression	MPEG2 Video Profile & Level : MP@H-14 (in case of 720/60p and some 720/50p:MP@HL)	
Sampling Frequency for Luminance	74.25MHz	55.7MHz
Sampling Format	4:2:0	
Quantization	8 bits (both luminance and chrominance)	
Bit rate after Compression	Approximately 19Mbps	Approximately 25Mbps
<b>Audio</b>		
Compression	MPEG1 Audio Layer II	
Sampling Frequency	48kHz	
Quantization	16 bits	
Bit rate after Compression	384kbps	
Audio Mode	Stereo (2 channels)	
Optional Audio Recording	PCM (2 channels or 4 channels, can be simultaneously recorded with MPEG1 Audio Layer II 2 channels)	MPEG2 Audio Layer II (4 channels)
<b>System</b>		
Data Format	MPEG2 Systems	
Stream Type	Transport Stream	Packetized Elementary Stream
Stream Interface	IEEE1394 (MPEG2-TS)	